

# Work Order ID 87168

\*87168\*

Page 1

July-11-12 9:53:37 AM

Item ID: D350-607-541

Revision ID:

Item Name: Heli-Utility-Basket

Start Date: 7/10/12 Start Qty: 1.00

Required Date: 8/17/12 Req'd Qty: 1.00

Reference:

Accept

\*N900040100\*

Setup Start \*NS1\*

Stop \*NS2\*

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date: 7-20-12

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start \*NR1\*

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D350-607-3	A

100

0.00

\*100\*

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-541 CHG003

DAS 16 9-88 12/6/10

004 per ECU 12-6-10

12-8-7

110

Pick Kit

0.00

\*110\*

Packaging

Memo

0.00

Packaging

\*\*\*\*Mask label plate to size of D4086 label, use scotchbrite red pad to lightly sand area for label, apply label\*\*\*\*

1X

SD 12-8-7

120

QC4- 100% Inspect kits for completeness

0.00

\*120\*

QC

Memo

0.00

Quality Control

DAS 16 9-88 12/6/10

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 87168

**\*87168\***

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July-11-12 9:53:37 AM

Item ID: D350-607-541 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Heli-Utility-Basket  
 Start Date: 7/10/12 Start Qty: 1.00 **\*1\*** Cust Item ID:  
 Required Date: 8/17/12 Req'd Qty: 1.00 **\*1\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Cede	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Pick Kit	0.00							
<b>*130*</b>									
Packaging	Memo	0.00							
Packaging	Package as per PPPD350-607-541								
140	QC21- Final Inspection - Work Order Release	0.00							
<b>*140*</b>									
QC	Memo	0.00							
Quality Control									

12/8/10 SP  
 12/8/13  
 R1208-10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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Work Order ID: 87168  
Parent Item: D350-607-541  
Parent Item Name: Heli-Utility-Basket

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 10-08-19 AS PER REV.A DD VERF BY:EC IPP Rev:B 11.02.09 add to install label DD verf by:EC IPP REV:C 12.03.06 AS PER ECN12-535 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
<b>D350-607-511</b> Quick Release Basket Mounting Installation		Manufactured	No			110	Each	10.0000	0	1		85747	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				FG		8							
				85743		2							
				85744		2							
				85745		2							
				85746		2							
				PK13		2							
				85133		1							
				85742		1							
<b>D2690-6</b> Stanyard Assembly		Manufactured	No			110	Each	24.0000	0	1		B869261x8P	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST016		24							
				85757		13							
				85832		5							
				85833		6							
<b>D3912-041</b> Eyebolt Receiver Assembly		Manufactured	No			110	Each	3.0000	0	1		87815	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST509		3							
				85952		3							
<b>D4030-041</b> Long Basket Assembly (350)		Manufactured	No			110	Each	0.0000	0	1		86599	
<b>D4085-3</b> Placard, Instructions		Manufactured	No			110	Each	1.0000	0	1		12-8-7	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST121		1							
				87037		1							

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						/	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

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Work Order ID: 87168  
Parent Item: D350-607-541  
Parent Item Name: Heli-Utility-Basket

Start Date: 7/10/12  
Start Qty: 1.00

Required Date: 8/17/12  
Required Qty: 1.00

**D4151-041**  
Basket Fwd Hardpoint Assembly, Lower

Manufactured No

110 Each 13.0000

U 1

Location

Loc Qty

Loc Code

GA

-4

ST103

17

85792

12

85793

1

**D4151-043**  
Basket Fwd Hardpoint Assembly, Upper

Manufactured No

110 Each 17.0000

0 1

Location

Loc Qty

Loc Code

ST103

17

85794

5

85795

12

**D4150-041**  
Attachment Arm Assembly

Manufactured No

110 Each 0.0000

1

**AN4-13A**  
Bolt

Purchased No

110 Each 1,065.0000

6

Location

Loc Qty

Loc Code

ST357

1065

120187

19

120422

2

120770

12

121652

834

122063

198

**AN4C15**  
BOLT

Purchased No

110 Each 40.0000

0

Location

Loc Qty

Loc Code

ST358

40

120124

1

121146

39

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 87168

Parent Item: D350-607-541

Parent Item Name: Heli-Utility-Basket

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

AN310C4

Nut

Purchased No

110 Each 58.0000

1 SP 1

h

Location

Loc Qty

Loc Code

ST344

58

120360

1

121166

3

121444

21

122151

33

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MS17984-C413

PIN, QUICK RELEASE

Purchased No

110 Each 21.0000

0 1x

m122452. SP. h

Location

Loc Qty

Loc Code

ST315

3

114340

1

118612

2

ST333

18

122141

18

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MS21042L4

Nut

Purchased No

110 Each 1,146.0000

6 SP 6

h

Location

Loc Qty

Loc Code

ST300

1146

119075

116

121011

193

121444

686

121652

151

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MS24665-151

Cotter Pin

Purchased No

110 Each 161.0000

1 SP 12-8-7. h

Location

Loc Qty

Loc Code

ST309

161

17566

161

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Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 4

Work Order ID: 87168  
 Parent Item: D350-607-541  
 Parent Item Name: Heli-Utility-Basket

Start Date: 7/10/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

NAS1515H4L  
 WASHER

Purchased No

110 Each 397.0000

2

SP

✓

Location

Loc Qty

Loc Code

FG 8  
 103691 8  
 ST277 389  
 118709 10  
 120390 379

NAS1149F0432P  
 Washer

Purchased No

110 Each 1,006.0000

12

2x  
 SP

✓

Location

Loc Qty

Loc Code

ST275 1006  
 121350 15  
 122151 991

NAS1149C0463R  
 Washer

Purchased No

110 Each 764.0000

3

12x  
 SP 12-8-7.

✓

Location

Loc Qty

Loc Code

FP001 1  
 115358 1  
 ST297 763  
 117735 17  
 119097 746

3x

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# REFERENCE ONLY

DART AEROSPACE LTD.

D350-607-3  
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## 4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-607-541 (Standard Basket)	80.7 lb 36.6 kg	± 49.1 in ± 1.25 m	± 3962 in-lb ± 45.8 m-kg	135 in 3.43 m	10895 in-lb 125.5 m-kg
D350-607-543 (Lightweight Basket)	65.7 lb 29.8 kg	± 49.1 in ± 1.25 m	± 3226 in-lb ± 37.3 m-kg	135 in 3.43 m	8870 in-lb 102.2 m-kg
D350-607-545 (Standard Basket)	58.7 lb 26.2 kg	± 49.1 in ± 1.25m	± 2882 in-lb ± 32.8 m-kg	135 in 3.43 m	7925 in-lb 89.9 m-kg
D350-607-547 (Lightweight Basket)	47.7 lb 21.6 kg	± 49.1 in ± 1.25 m	± 2342 in-lb ± 27.0 m-kg	135 in 3.43 m	6440 in-lb 74.1 m-kg
D350-607-511 (Quick Release Basket Mounting Kit)	7.2 lb 3.3 kg	± 36.9 in ± 0.94 m	± 266 in-lb ± 3.1 m-kg	135 in 3.43 m	972 in-lb 11.3 m-kg

## 5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				4	4	D3910-3	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1	1	1	1		1	D4085-3	PLACARD-INSTRUCTIONS
1					1	D4086-200	PLACARD, MAX LOAD
	1				1	D4086-215	PLACARD, MAX LOAD
		1			1	D4086-220	PLACARD, MAX LOAD
			1		1	D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
6	6	6	6		6	AN4-13A	BOLT
				16	16	AN4-14A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	16	22	MS21042L4	NUT (OR MS21042-4)
1	1	1	1		1	MS24665-151	COTTER PIN
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	32	44	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER

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Date: 10.06.28